



TYPICAL PERFORATION TECHNIQUE
FOR DRILLED AND CASED WELLS

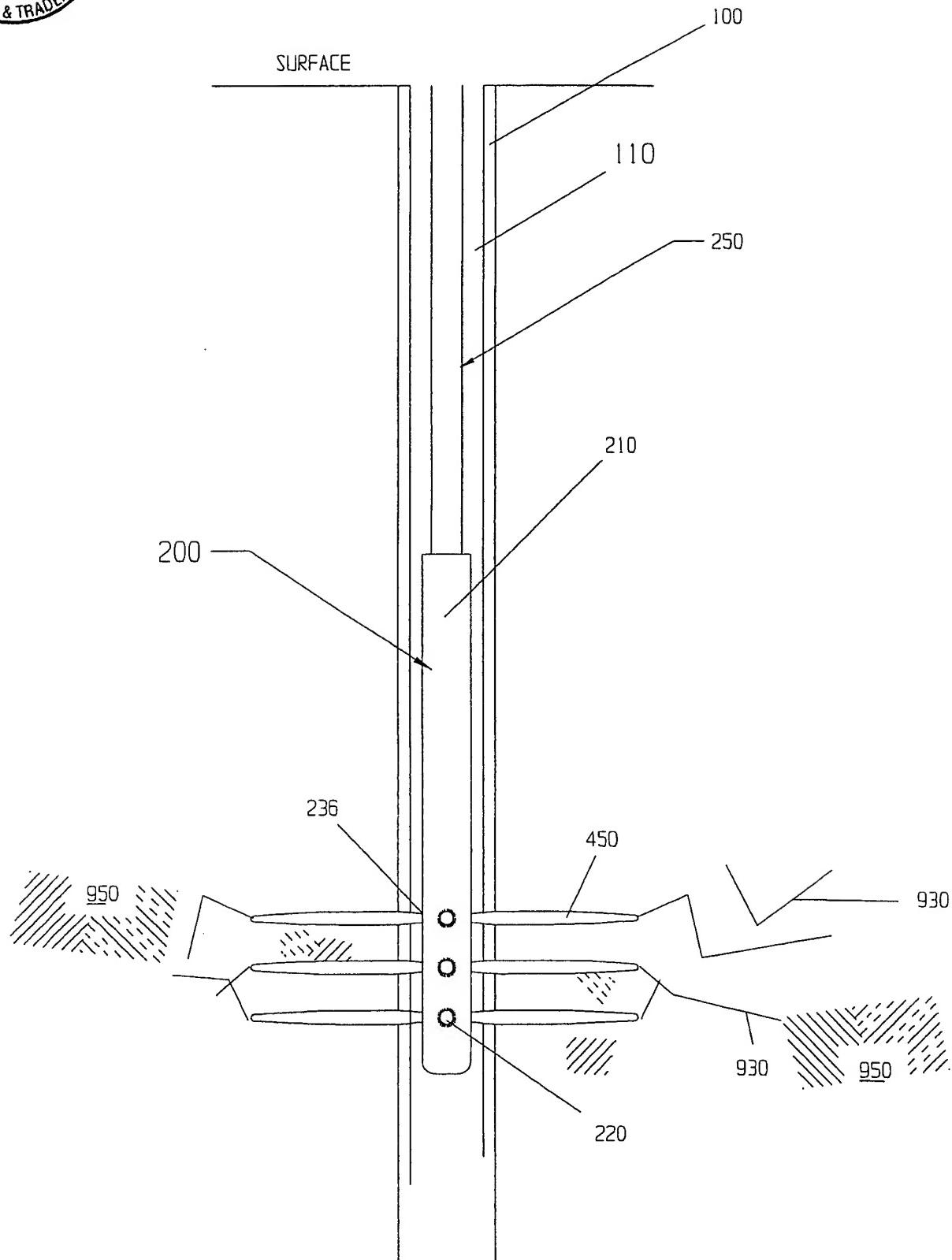


FIGURE 1



FIGURE 2

PRIOR ART

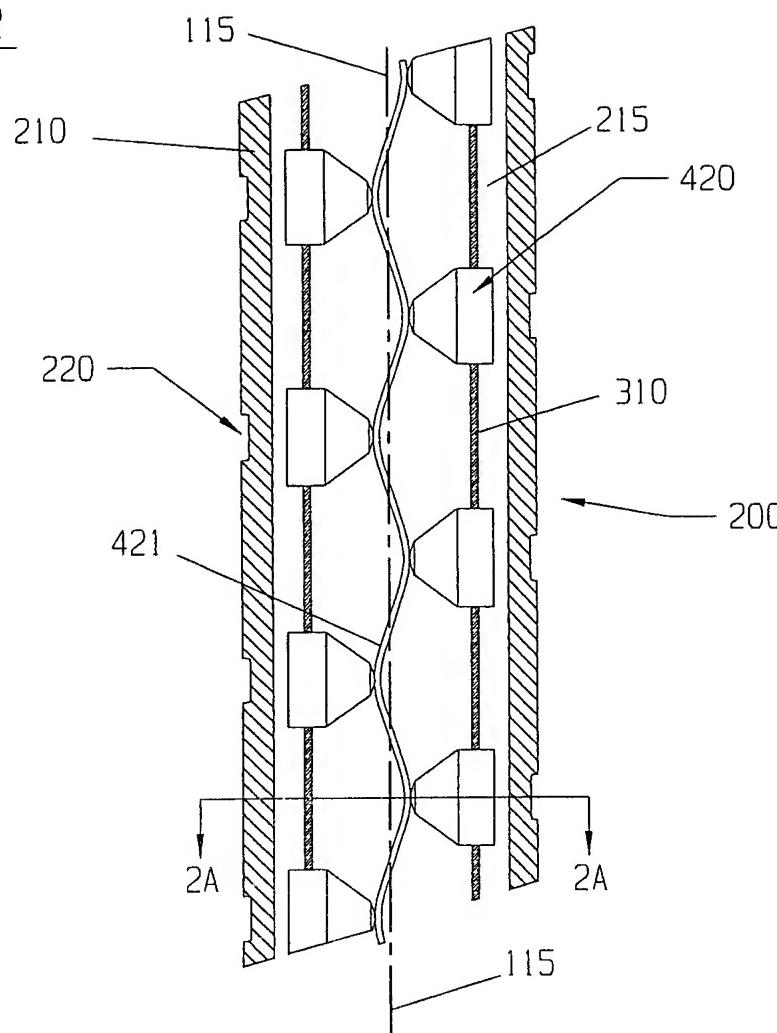
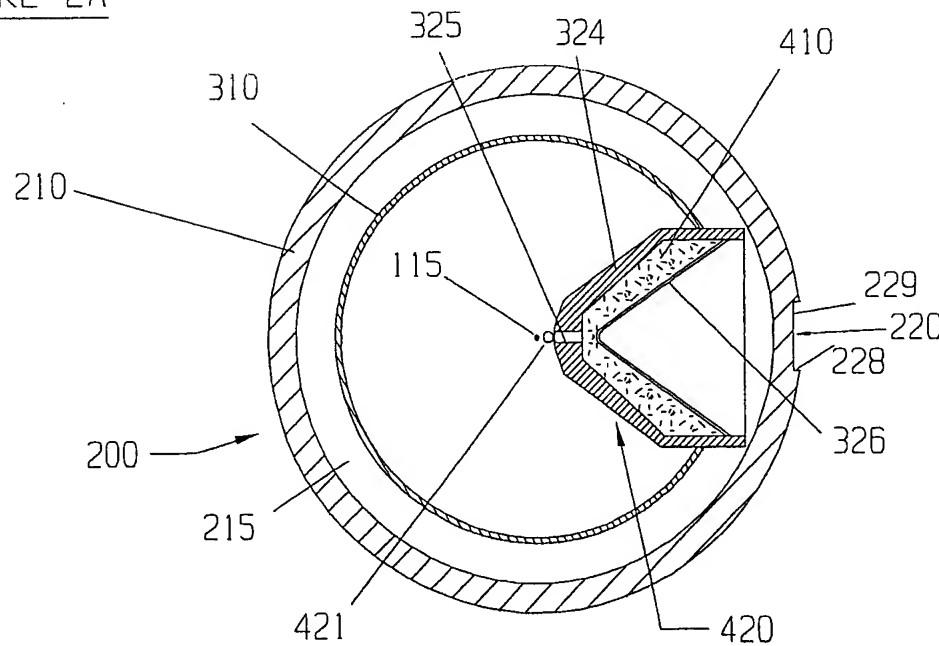
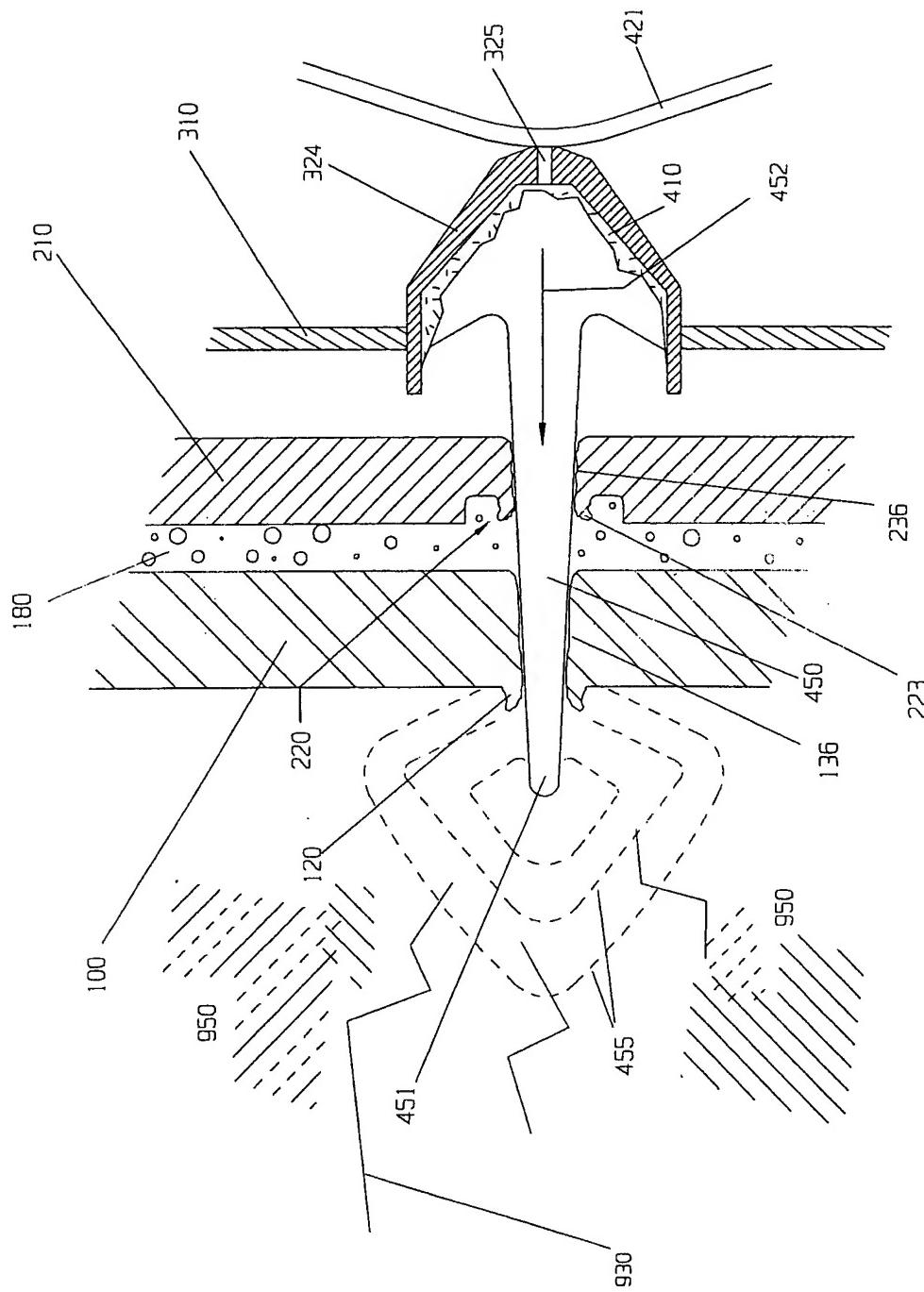
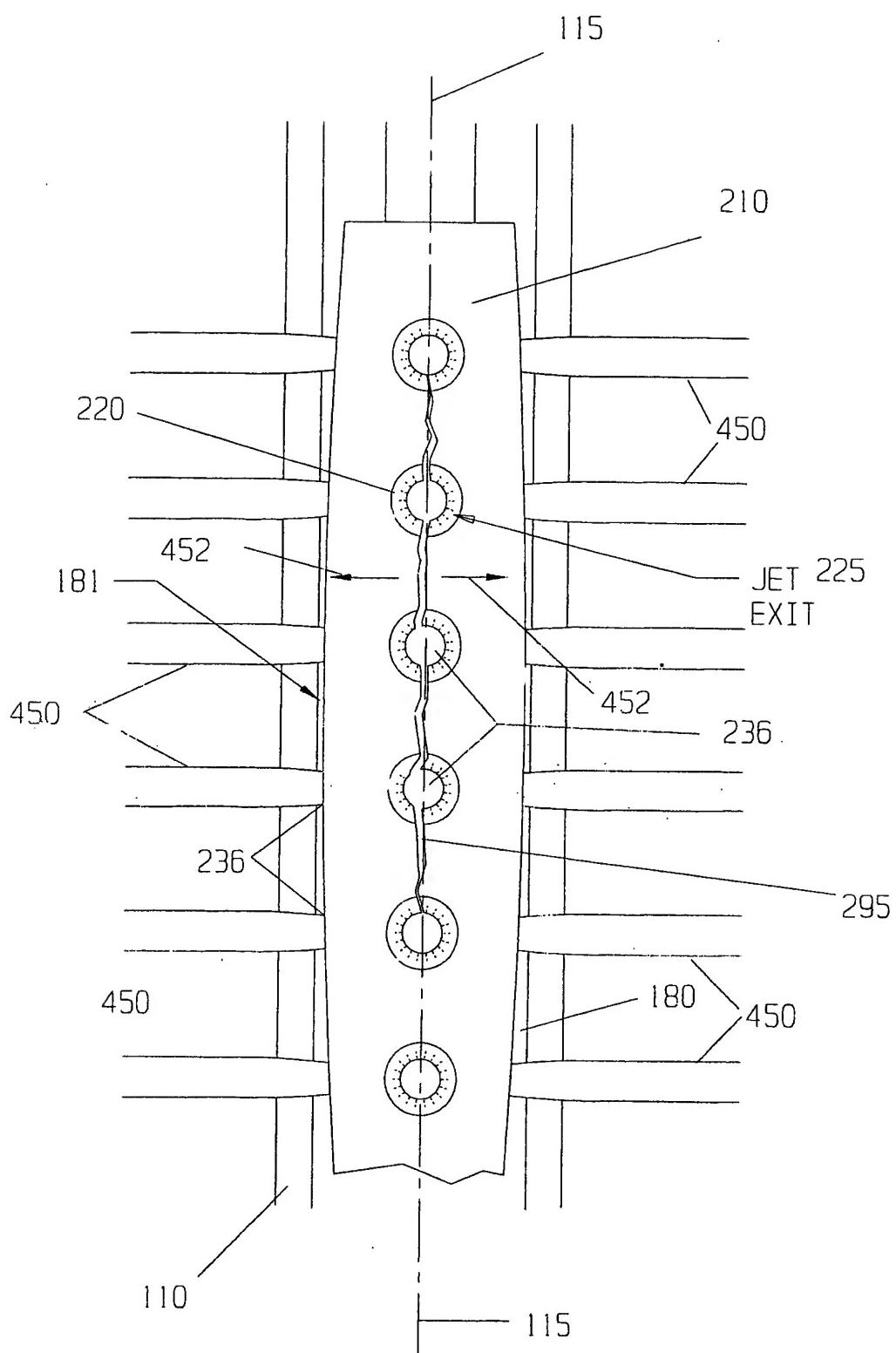
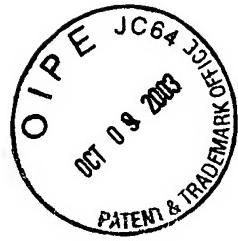


FIGURE 2A

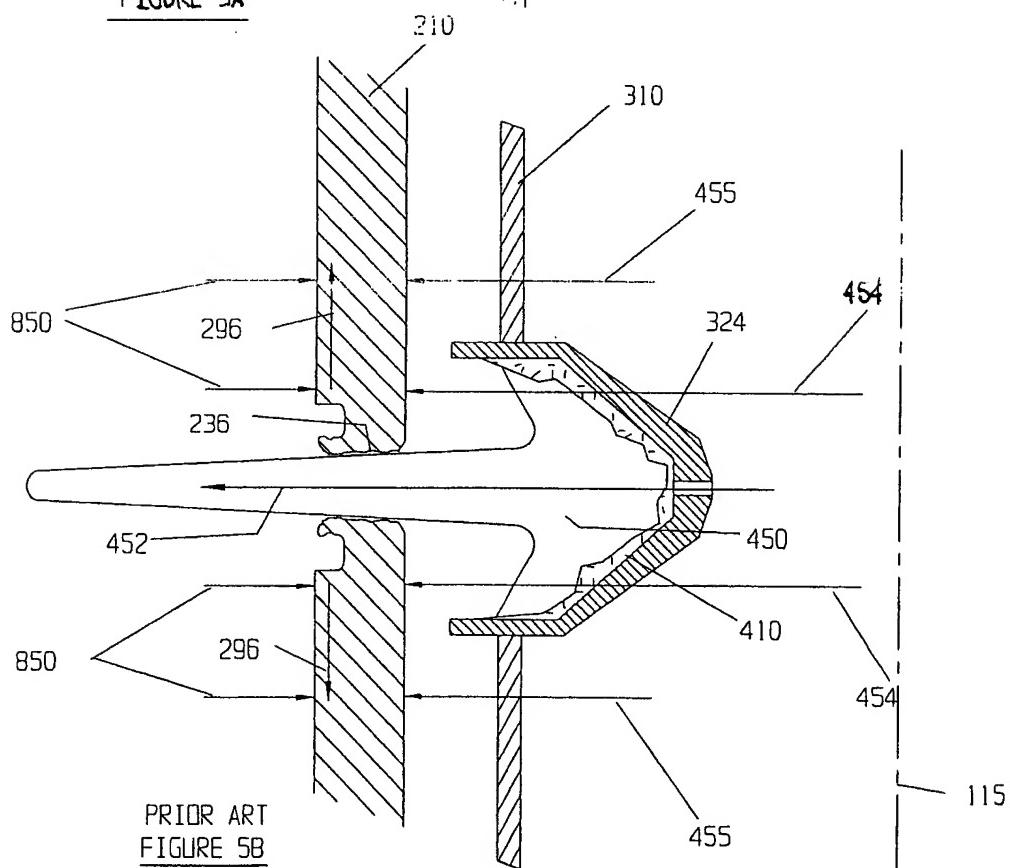
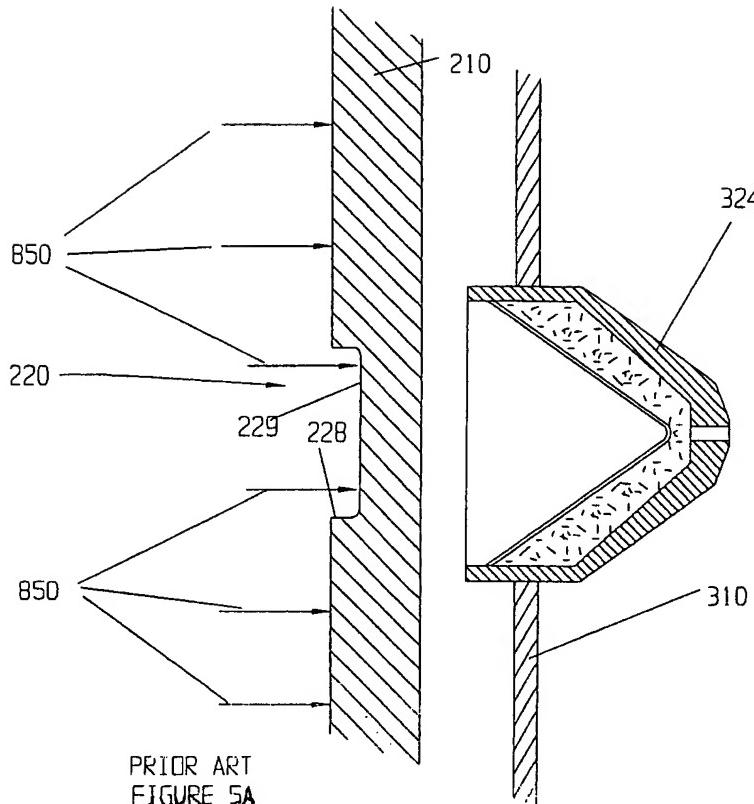


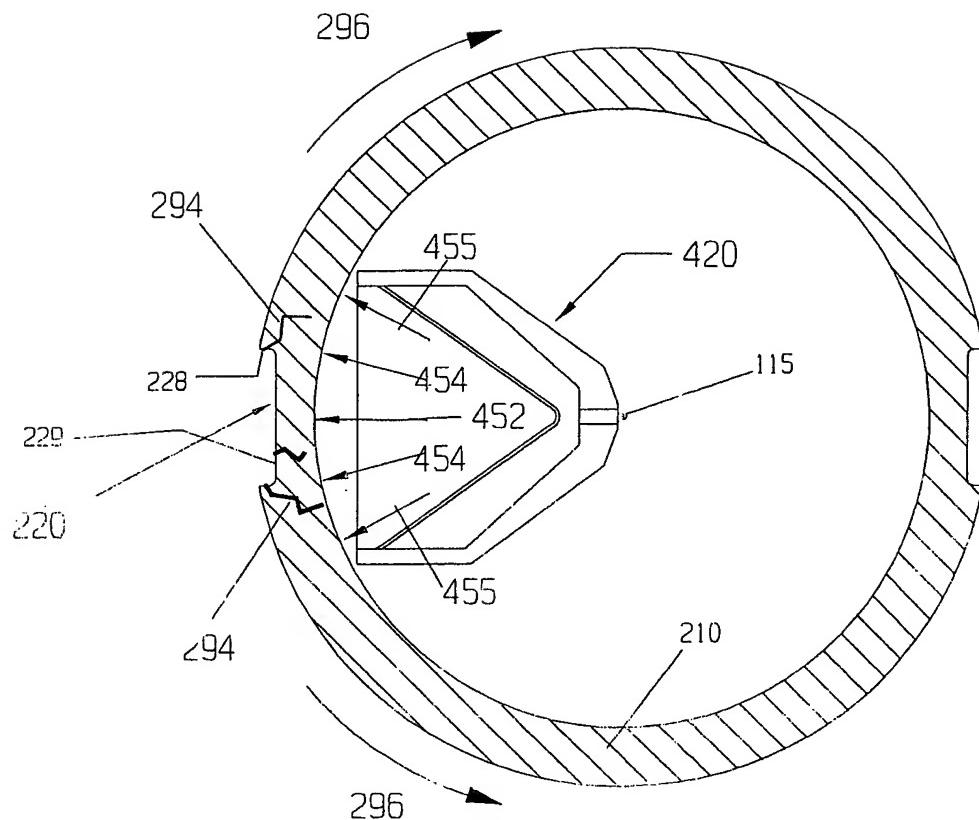
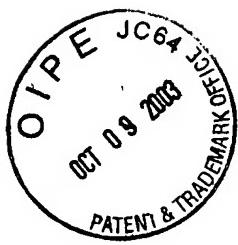


PRIOR ART
FIGURE 3



PRIOR ART
FIGURE 4





PRIOR ART
FIGURE 6

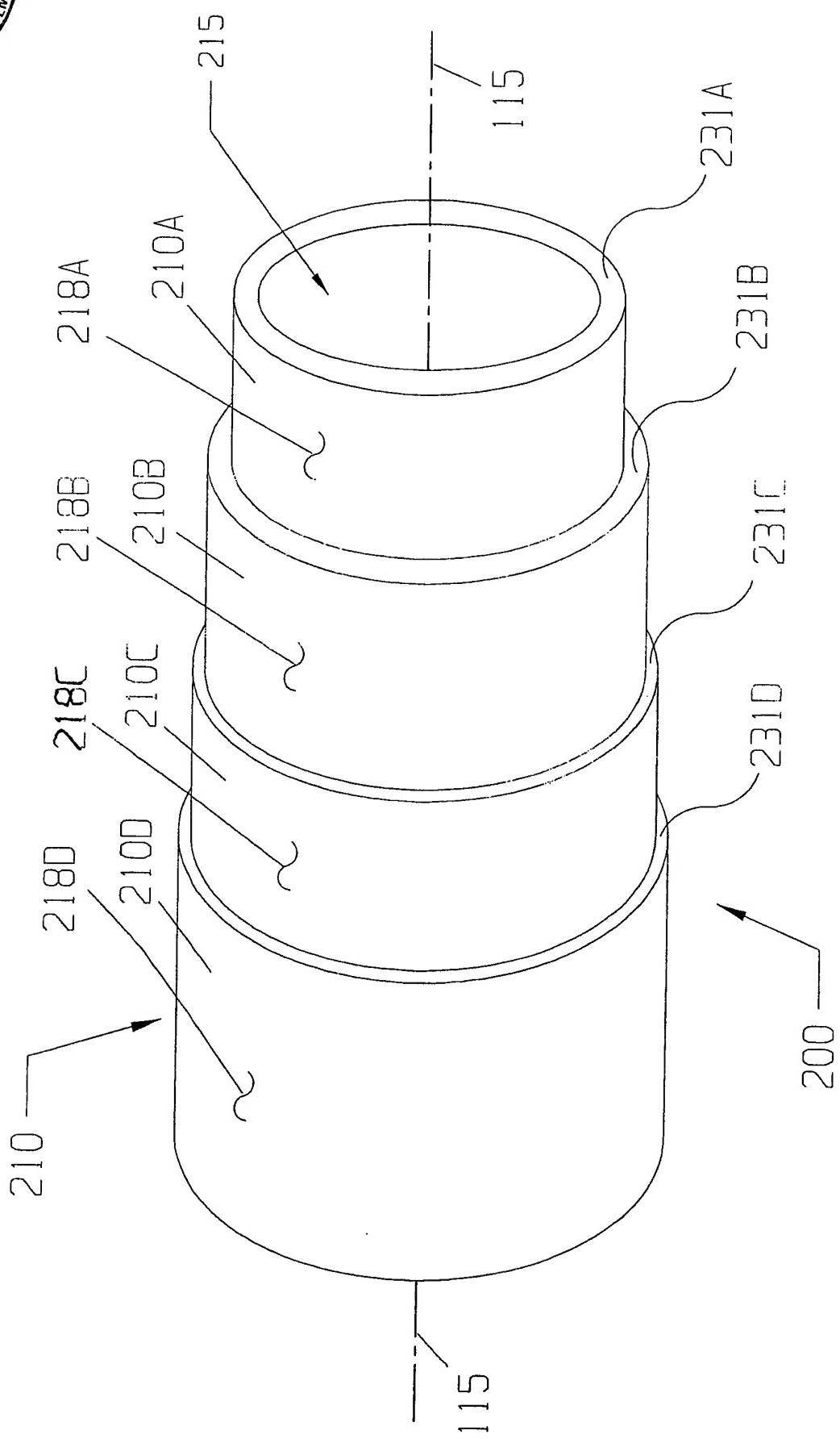
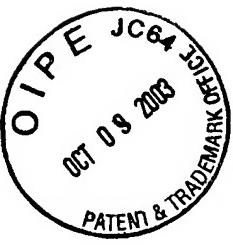


FIGURE 7

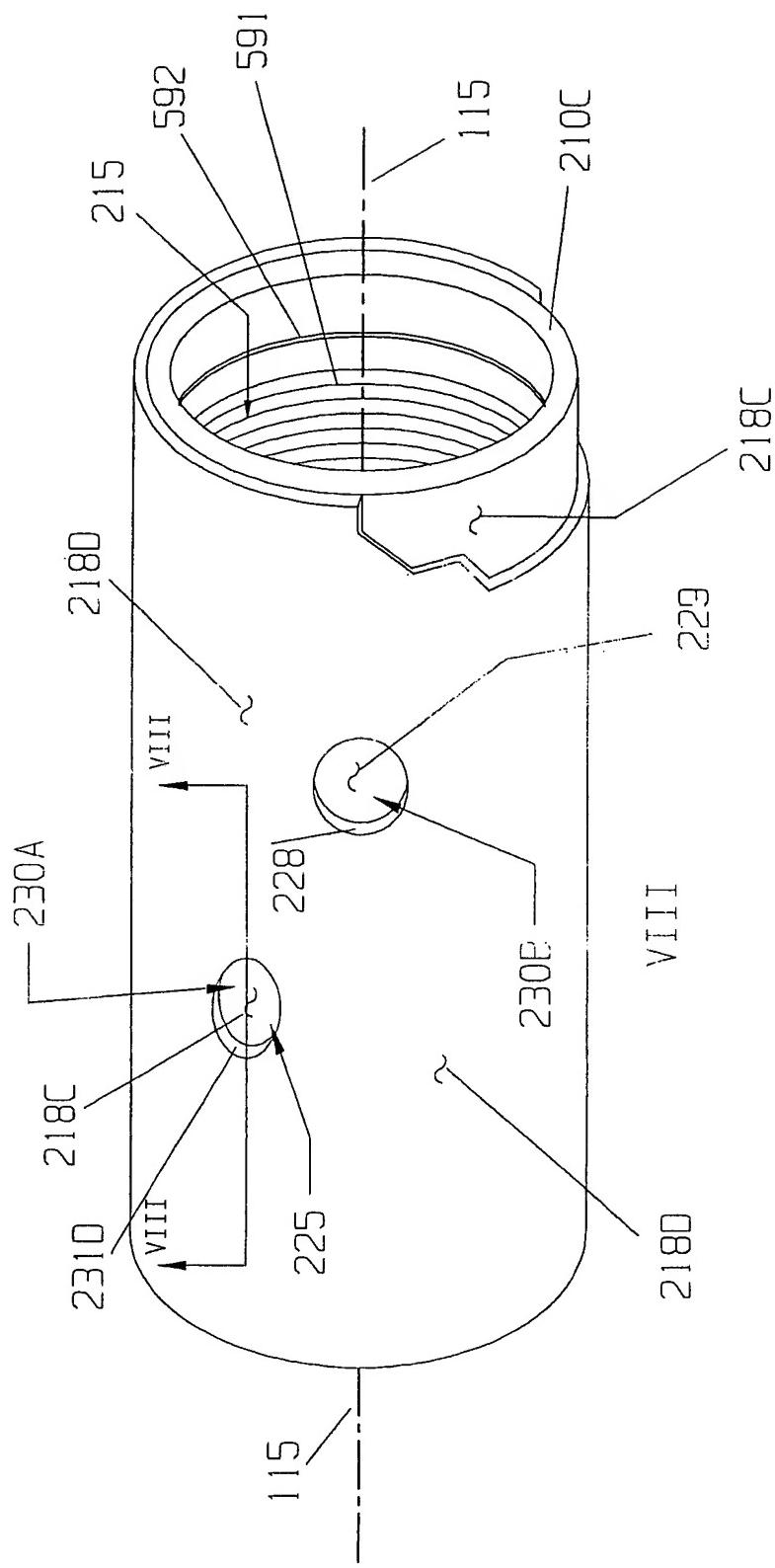


FIGURE 8

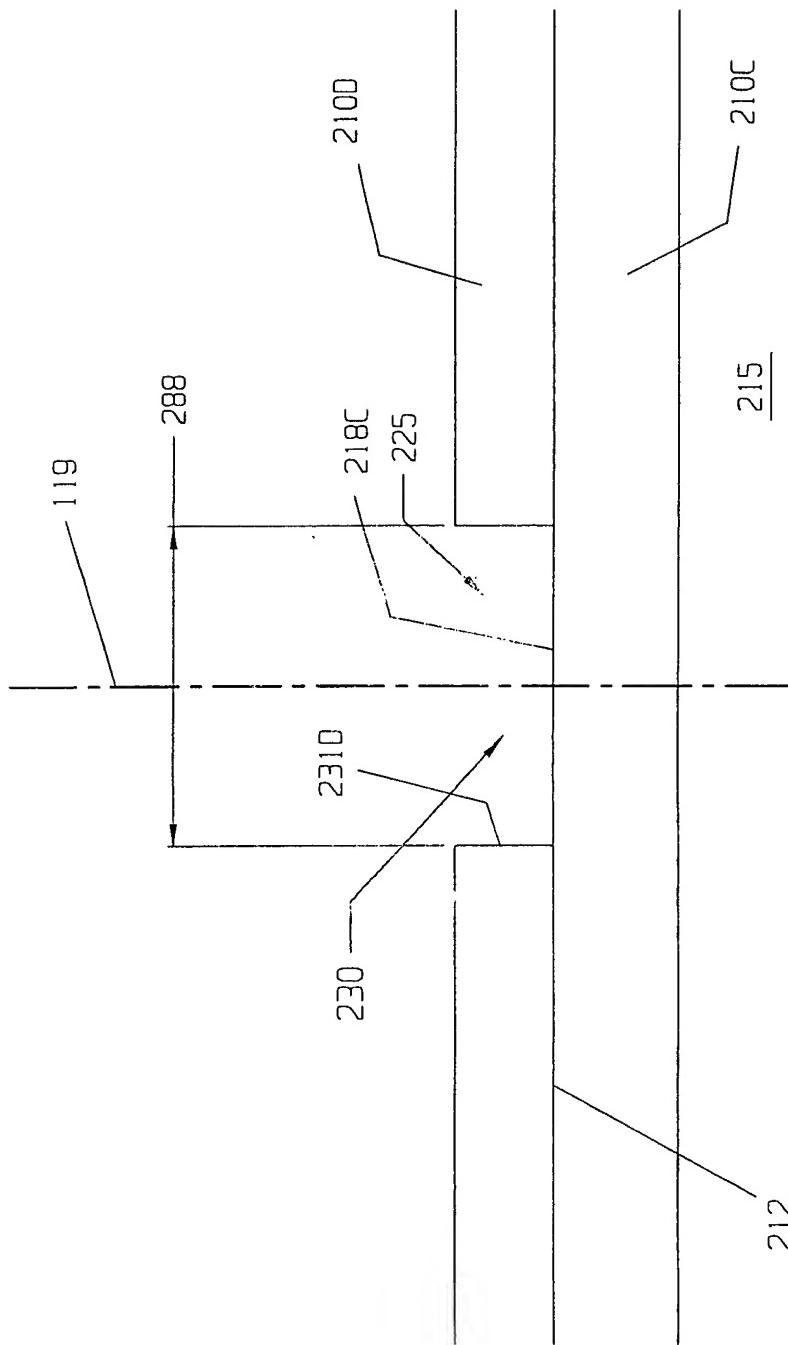
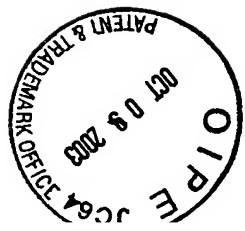
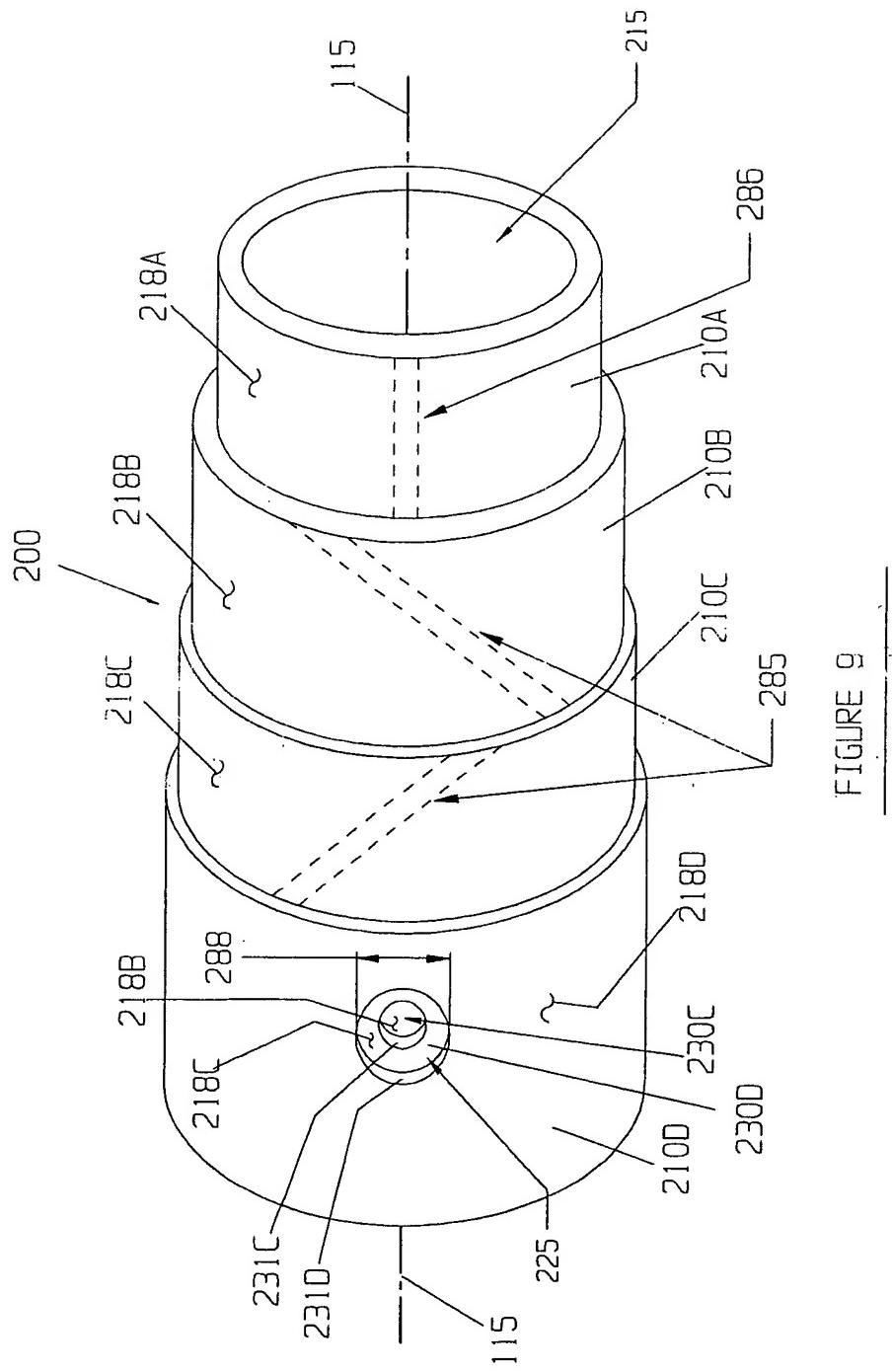
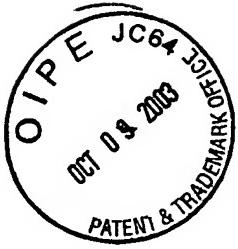


FIGURE 8A





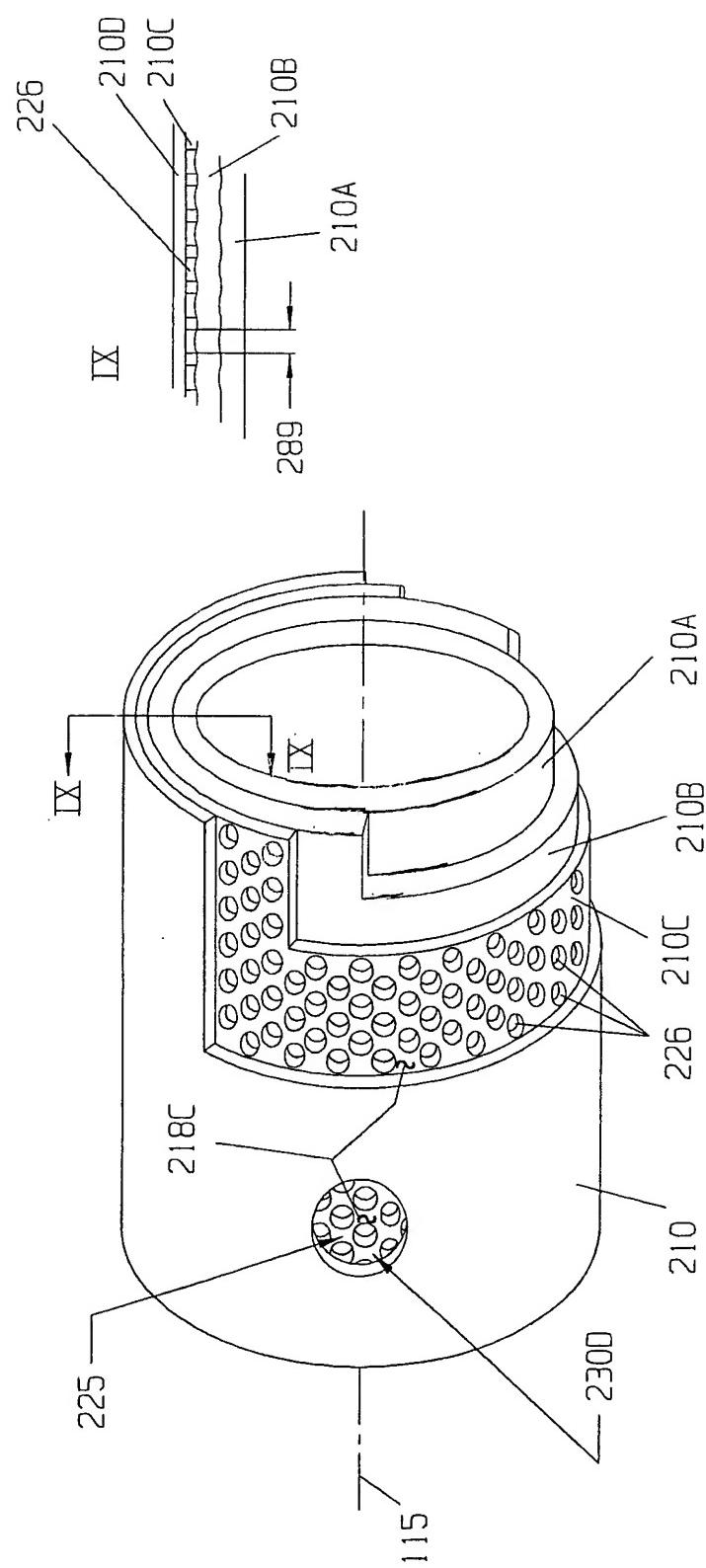
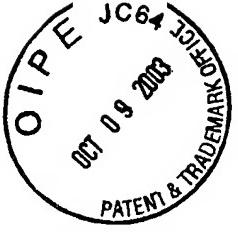


FIGURE 9A

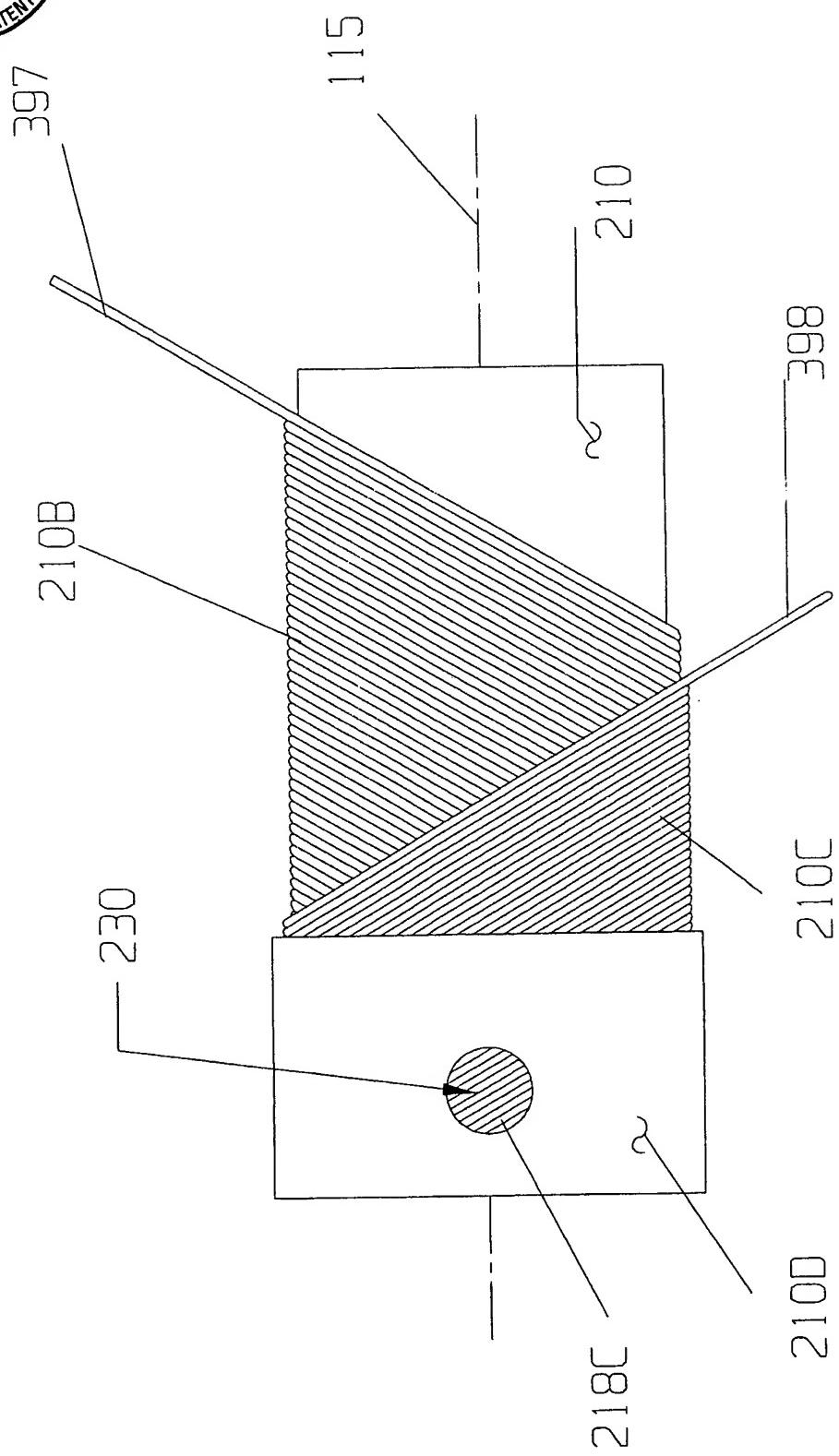


FIGURE 9B

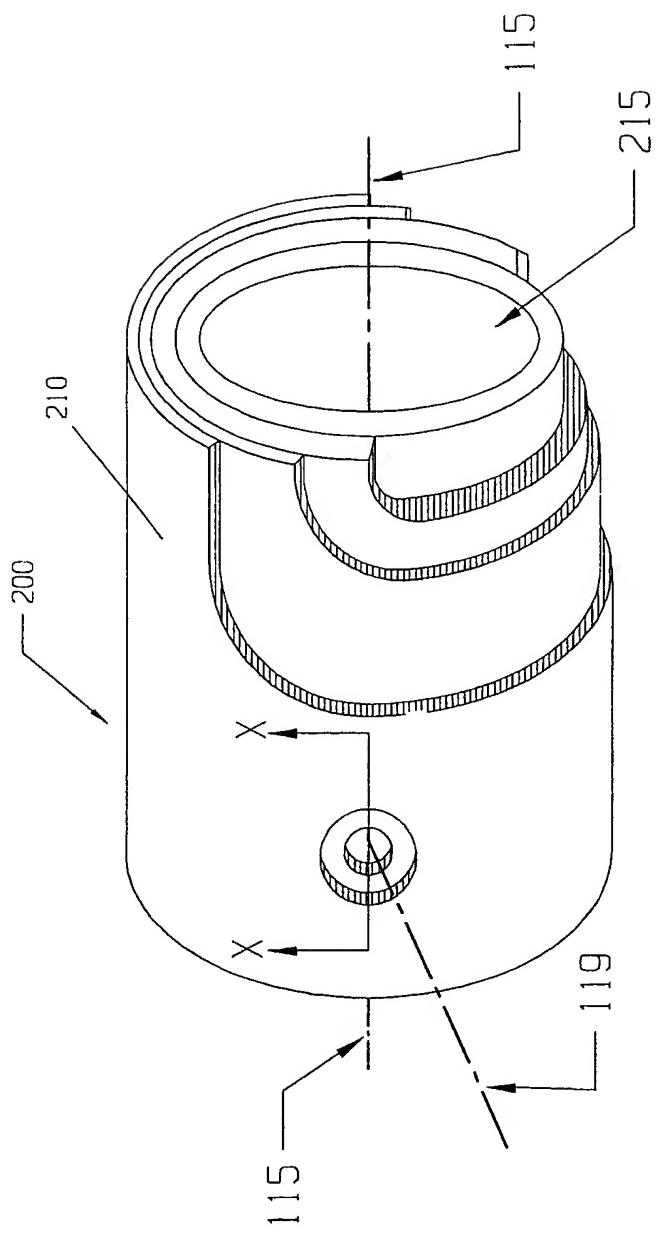
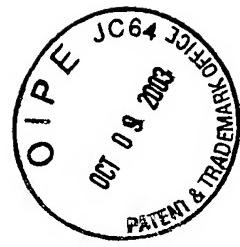
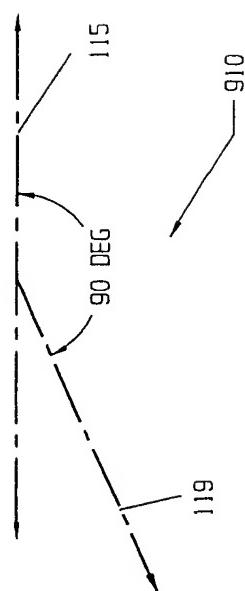
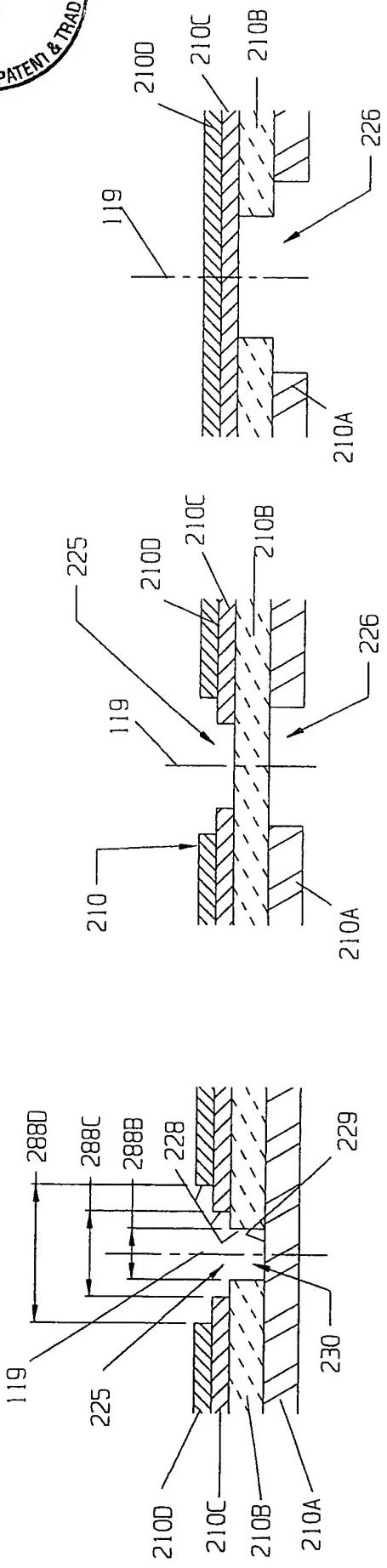


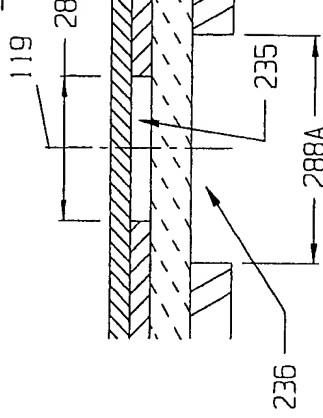
FIGURE 10





MULTIPLE I.D.
RECESSES

FIGURE 10C



MULTIPLE I.D.
RECESSES

COMBINATION RECESSES

FIGURE 10E

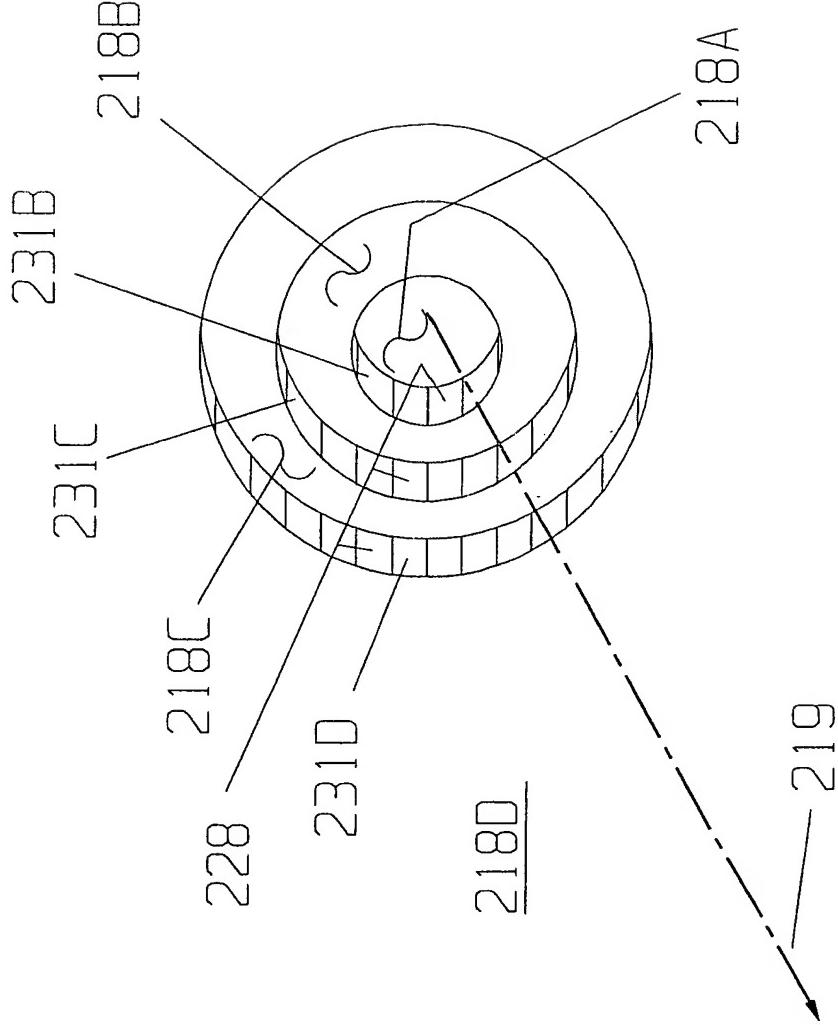
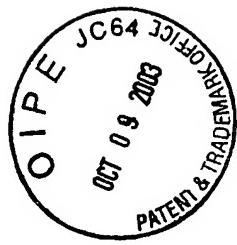


FIGURE 10F

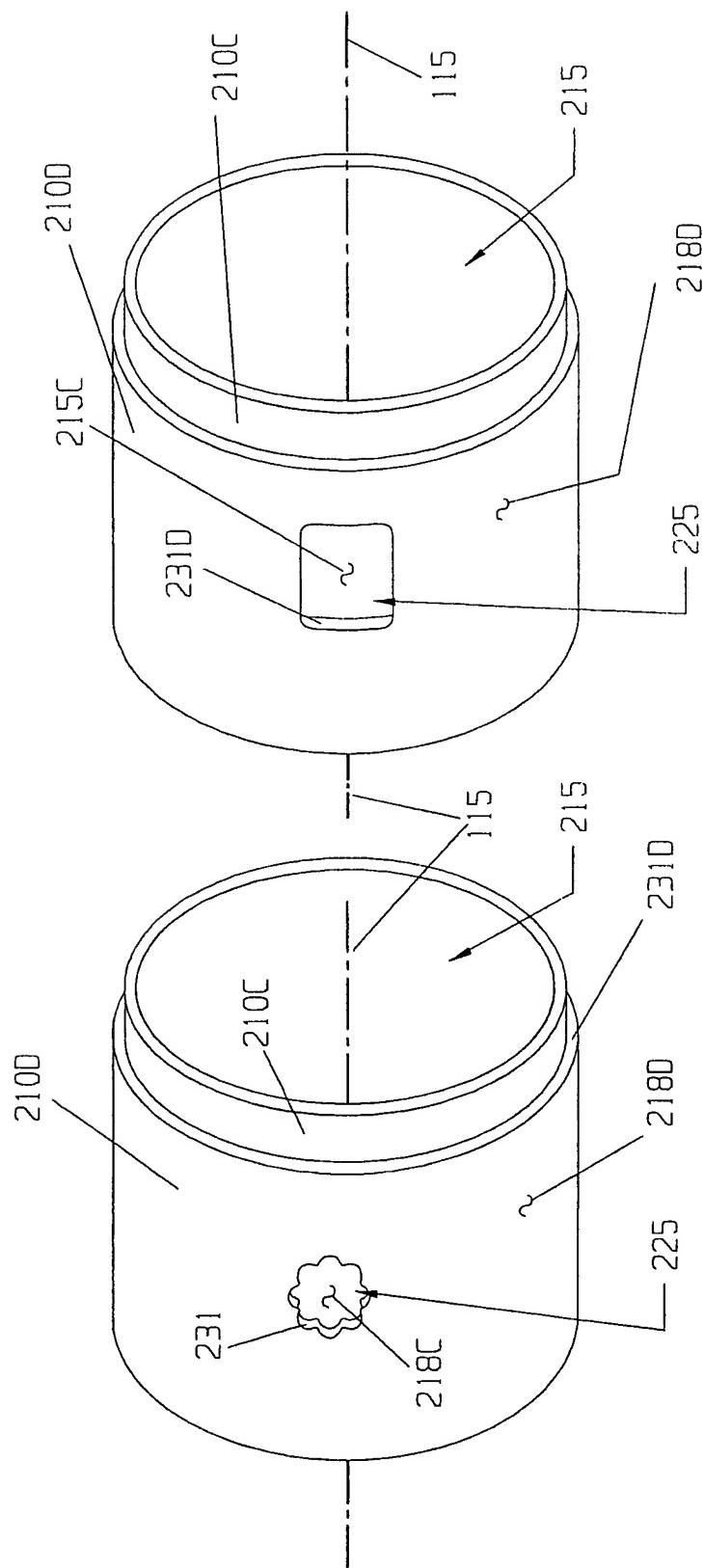


FIGURE 11

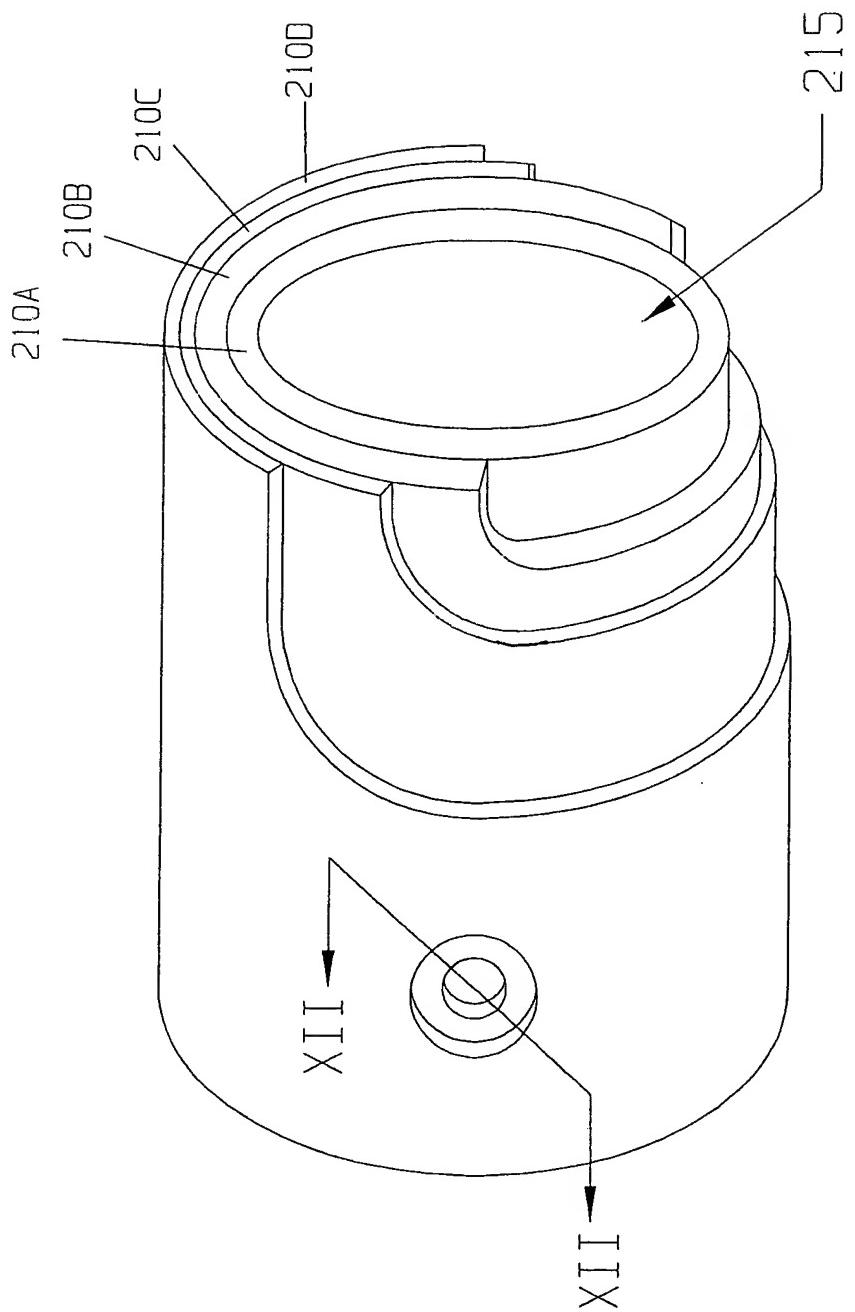


FIGURE 12

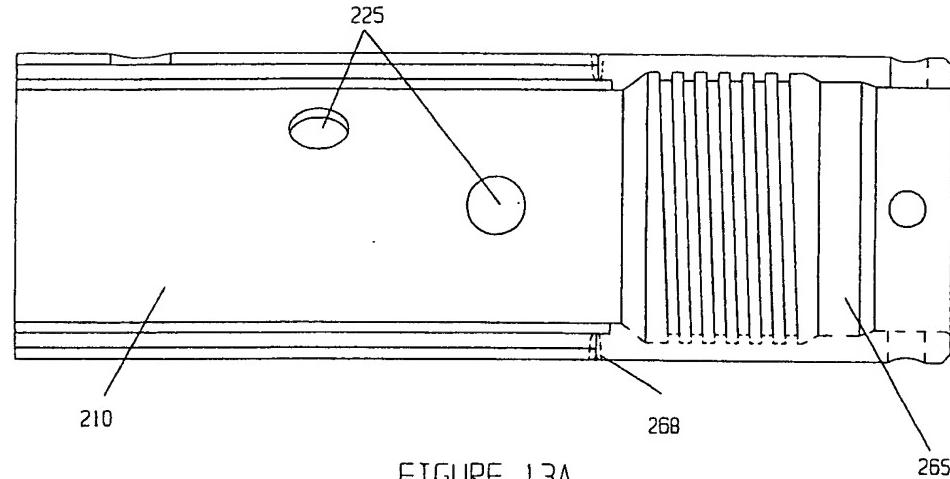
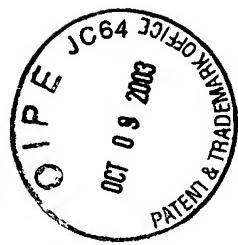


FIGURE 13A

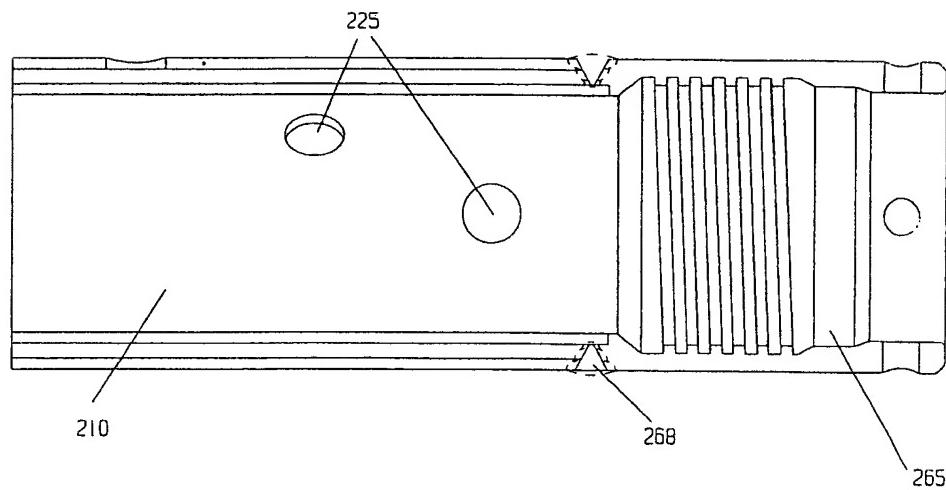


FIGURE 13B